Amendments to the Specification:

Please amend the Brief Description of the Drawings on page 4 line 24 to page 5 line 4 as follows:

Figure 5 is a graph of the simulated bit-error-rate of a system of the kind shown in Figure 2 as a function of the ratio of transmit energy per bit to noise (E_b/N_o) for different numbers of FIR coefficients for each transmit antenna, and

Figure 6 is a flow chart of a method of selecting FIR filter tap positions, calculating the coefficients and providing feedback from the mobile station to the base station in a preferred embodiment of the invention. ~~, and~~

~~Figure 7 is a graph of the simulated bit error rate as a function of the ratio transmit energy per bit to noise (E_b/N_o) for a system of the kind shown in Figure 2 having a reduced number of FIR taps at selected positions for each transmit antenna.~~

Please amend the last paragraph of the text before the claims, page 15 lines 11-17 as follows:

~~Figure 7 represents a simulation, similar to Figure 5 of the performance obtained with this embodiment of the~~ The present invention. ~~It will be seen that this~~ provides a simplification (*i.e.*, *Q* coefficients instead of *L* in each FIR filter on each antenna) that results in a loss of only 0.5 dB and still enables more than 2.5 dB gain (when no quantization) for two transmit antennas with respect to the original Tx AA scheme. Note also that quantization, verification, progressive refinement techniques and feedback can be applied to this embodiment as described above.